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April 5, 2019

Ms. Marlene H. Dortch Secretary Federal Communications Commission 445 12th Street, SW Washington, DC 20554

Re: *Ex parte* submission in ET Docket No. 18-295; GN Docket No. 17-183

Dear Ms. Dortch:

On April 3, 2019, Kenneth Edmonds, Director of Government Relations & Public Policy for the National Football League ("NFL"), Carl Mower, Sr., Director of Engineering Location Services for Zebra Technologies, Inc. ("Zebra"), Edward Richley, Engineering Fellow for Zebra, Veronica O'Connell, Principal of TwinLogic Strategies representing Zebra, and the undersigned met with Aaron N. Goldberger of Chairman Pai's office, Umair Javed of Commissioner Rosenworcel's office, Will Adams of Commissioner Carr's office, Erin McGrath of Commissioner O'Rielly's office, and William Davenport of Commissioner Starks' office. We discussed the Commission's proposal to authorize new unlicensed usage in the 6 GHz band.

We emphasized how industrial uses of ultra-wideband ("UWB") technology in the 6 GHz band facilitates numerous benefits and efficiencies in a variety of settings. We also highlighted how the NFL uses this technology for a variety of services, including fan engagement, broadcast enhancements, and player safety, as illustrated by the attached presentation. We urge the Commission to give close consideration to the engineering solutions proposed by Zebra to ensure that as the Commission expands spectrum for Wi-Fi services, it also protects incumbent users that are utilizing this spectrum in a variety of innovative ways.

Please direct any questions to the undersigned.

Sincerely,

/s/ Gerard J. Waldron

Gerard J. Waldron
Counsel for the NFL

cc: Meeting Attendees

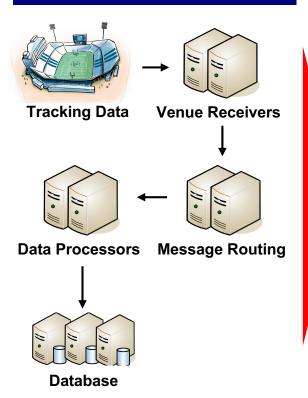
Tracking System Overview



Data Capture



NFL Platform



Applications

Data Distribution

Health and Safety

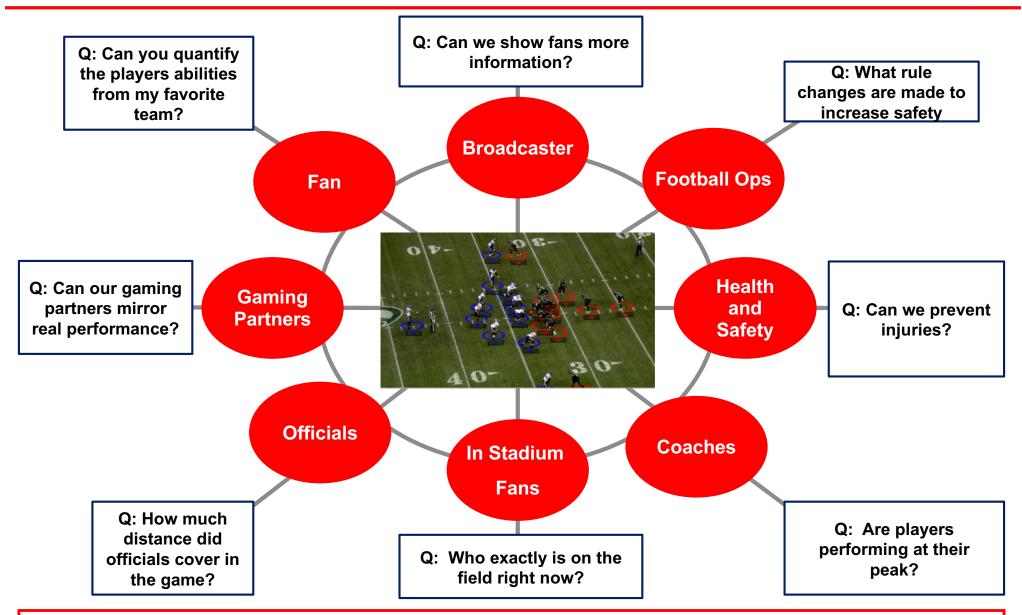
In-Stadium

Media

Scouting/Coaching

Next Gen Stats Use Cases





NFL's proprietary Next Gen Stats have broad uses across entire NFL ecosystem... fans, players, game, etc.